

Application No: 10/666,860

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IN THE CLAIMSRECEIVED
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1.-19. (canceled)

20. (currently amended) A method of constructing an electric storage battery,
comprising including:

~~providing an electrically conductive elongate pin having inner and outer ends;~~
~~providing a first polarity electrode strip;~~
~~providing a second polarity electrode strip;~~
~~electrically connecting a first end of a first said first polarity electrode strip to a~~
~~said pin proximate to said pin inner end;~~
~~positioning mounting a reinforcing mandrel on the pin;~~
~~winding the first together said first polarity electrode strip together with a second~~
~~electrode strip so as to and said second polarity electrode strip to form a spiral roll having~~
~~at least a portion of the pin within the spiral roll, the spiral roll being formed after~~
~~positioning the mandrel on the pin.~~

21. (currently amended) The method of claim 20, ~~20~~ and further including the step of
further comprising:

positioning mounting said spiral roll in a case with the said pin outer end
extending through the case such that the pin serves as exteriorly of said case to form a
first battery terminal.

22. (currently amended) The method of claim 20, ~~20~~ and further including the step of
electrically coupling the reinforcing mandrel is positioned on to the pin such that the
mandrel is in electrical communication with the pin.

23. (currently amended) The method of claim 20 wherein ~~said step of winding together~~
~~the first polarity electrode strip and the second polarity electrode strip comprises~~ winding
the first electrode strip together with the second electrode strip includes rotating the pin.

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24. (currently amended) The method of claim 20 wherein ~~said step of providing said electrically conductive elongate pin includes a step of: forming an end cap is positioned including an insulating member on the said pin,~~

the end cap being configured to serve as a cap for a battery case,

the end cap including an electrical insulator, and

the pin extending through the insulator hermetically sealed thereto and positioned proximate to but spaced from said pin outer end.

25. (currently amended) The method of claim 24, ~~24 including the further step of wherein the end cap includes mounting a conductive member surrounding the insulator around said insulating member, and further comprising:~~

electrically connecting the said conductive member to a said case such that the conducting member is in electrical communication with the case and the pin extends into an interior of the case.

26. (currently amended) The method of claim 20, ~~20 including a further step of further comprising:~~

welding the reinforcing mandrel to the pin.

27. (currently amended) The method of claim 20, wherein

~~20 said step of mounting a reinforcing mandrel comprises mounting a mandrel comprising the mandrel includes a tube with having a slot therein in the tube; and~~

said winding step further includes the steps of: winding the first electrode strip together with the second electrode strip includes inserting a drive key into the slot, and employing the drive key, and orbiting the drive key to rotate the mandrel and the pin.

28. (currently amended) The method of claim 20 wherein the ~~said step of mounting a reinforcing mandrel includes a channel and further comprising: comprises providing~~

a channel and wherein said steps further include a step of injecting an electrolyte into a case for a battery through the channel.

29-66 (canceled)

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67. (currently amended) The method of claim 20, ~~20 including a further step of further comprising:~~

crimping the ~~reinforcing~~ mandrel to the pin.

68.-77. (canceled)

78. (new) The method of claim 20, wherein the mandrel includes a tube.

79. (new) The method of claim 78, wherein positioning the mandrel on the pin includes positioning the pin in an interior of the tube.

79. (new) The method of claim 20, wherein the mandrel has a c-shaped cross-section.

80. (new) The method of claim 20, wherein positioning the mandrel on the pin includes sliding the mandrel onto the pin.

81. (new) The method of claim 20, wherein the mandrel is positioned on the mandrel such that a portion of the first electrode strip is positioned between the mandrel and the pin.

82. (new) The method of claim 20, wherein the first end of the first electrode strip is connected to the pin such that the pin is in electrical communication with the first electrode strip.